

(19) World Intellectual Property  
Organization  
International Bureau



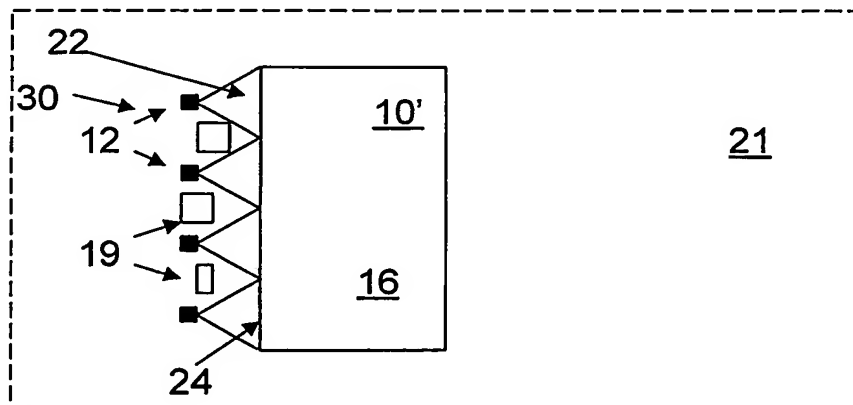
(43) International Publication Date  
16 June 2005 (16.06.2005)

PCT

(10) International Publication Number  
**WO 2005/054936 A1**

- (51) International Patent Classification<sup>7</sup>: **G02F 1/1335 // G02B 6/00**
- (21) International Application Number:  
**PCT/DK2003/000839**
- (22) International Filing Date: 5 December 2003 (05.12.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (71) Applicant (for all designated States except US): **NOKIA CORPORATION [FI/FI]**; Keilalahdentie 4, FIN-02150 Espoo (FI).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **KNUDSEN, Peter, Back [DK/DK]**; Nansensgade 38, 3.tv., DK-1366 Copenhagen K (DK).
- (74) Agent: **AWAPATENT AB**; P.O. Box 5117, SE-20071 Malmö (SE).
- (81) Designated States (*national*): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, EG, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: A DISPLAY AND A METHOD OF PROVIDING A DISPLAY



(57) Abstract: A display, such as for use in a mobile telephone, comprising a light transmissive display, such as a Liquid Crystal Display (LCD), having there under a light transmitting plate adapted to guide light therein and then through the light transmissive display. Between the light emitters and the plate, a number of tapered light guides are provided so that the space between the tapers may be used for e.g. electronic components. The use of the light guides provides more space for electronic components and furthermore provides a more freely selectable positioning of the light emitters.